

D4-GDI Monoclonal Antibody (97A1015)

Catalog NumberMA1-41085

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Mouse / IgG2b, kappa	Published species	Human
Class	Monoclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	Dilution * 0.5-1 µg per million cells
Clone	97A1015	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:500
Immunogen	Synthetic peptide corresponding to a region containing the Fas-induced cleavage site of human D4-GDI.	Immunoprecipitation (IP)	1-2 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	2 µg/mL
Form	Liquid	Published Applications	
Concentration	0.5 mg/mL	Immunohistochemistry (IHC)	See 1 publications below
Purification	Protein G	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage buffer	PBS		
Contains	0.05% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

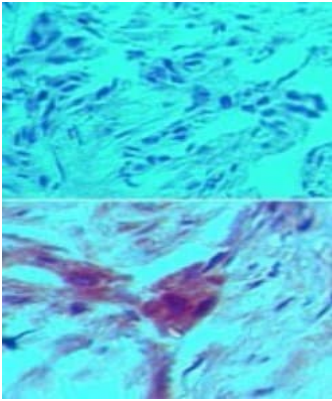
Product specific information

Suggested positive control: anti-Fas treated Jurkat (10 ng/mL), antigen standard for ARHGDIB (transient overexpression lysate).

Background/Target Information

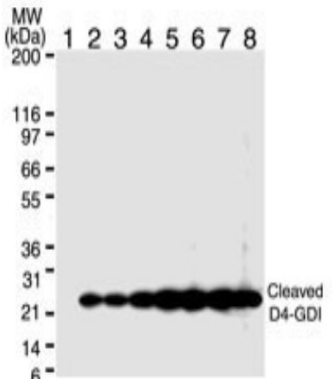
Acts as a ventralizing factor during embryogenesis. Inhibits axin-mediated JNK activation by binding axin and disrupting axin homodimerization. This in turn antagonizes a Wnt/beta-catenin-independent dorsalization pathway activated by AXIN/JNK-signaling.

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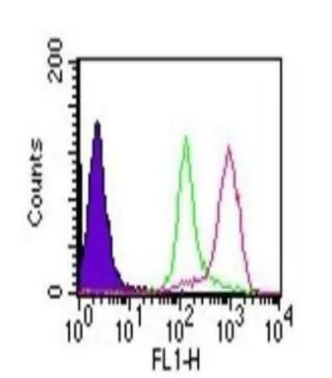
D4-GDI Antibody (MA1-41085) in IHC (P)

Immunohistochemical analysis of D4-GDI in formalin-fixed, paraffin-embedded human breast tumor tissue. Samples were incubated in D4-GDI monoclonal antibody (Product # MA1-41085). Isotype control (top) and this antibody.



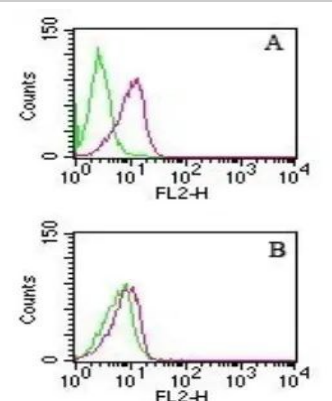
D4-GDI Antibody (MA1-41085) in WB

Western blot analysis of D4-GDI in HL60 cells. Samples were incubated in D4-GDI monoclonal antibody (Product # MA1-41085) using a dilution of 10 ng/mL. Harvested cells were lysed and resolved by SDS-PAGE and transferred onto membrane. D4-GDI/RhoGDI2 cleavage was detected.



D4-GDI Antibody (MA1-41085) in Flow

Flow cytometry of D4-GDI in 10⁶ camptothecin-treated (red) and untreated (green) HL60 cells. Samples were incubated in D4-GDI monoclonal antibody (Product # MA1-41085) using a dilution of 0.5 µg. The shaded histogram represents cells without antibody.



D4-GDI Antibody (MA1-41085) in Flow

Flow cytometry of D4-GDI in HL60 cells untreated (green) or treated with camptothecin to induce apoptosis (red). Samples were incubated in D4-GDI monoclonal antibody (Product # MA1-41085) using a dilution of 0.5 µg antibody /test/1 million cells.

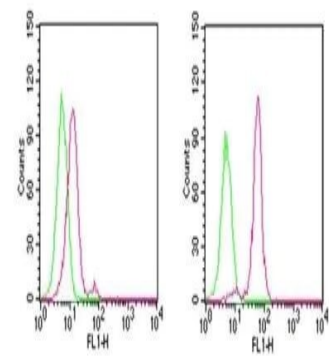
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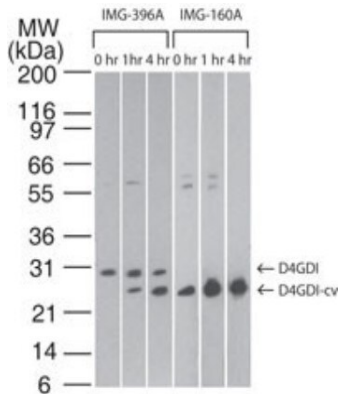
D4-GDI Antibody (MA1-41085) in Flow

Flow cytometry of D4-GDI in Ramos cells. Samples were incubated in D4-GDI monoclonal antibody (Product # MA1-41085) using a dilution of 0.5 µg. Untreated (left) and staurosporine-treated (right).



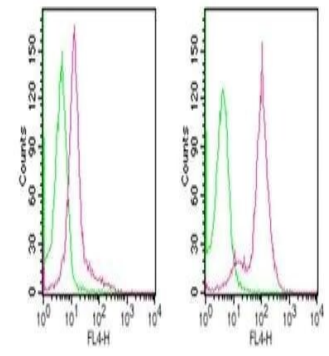
D4-GDI Antibody (MA1-41085) in WB

Western blot analysis of D4-GDI in Jurkat cells. Samples were incubated in D4-GDI monoclonal antibody (Product # MA1-41085) using a dilution of 0.1 µg/mL. Cells were treated with 2 µM staurosporine for different time periods. Specifically detects only the cleaved form of the protein.



D4-GDI Antibody (MA1-41085) in Flow

Flow cytometry of D4-GDI in 10^6 untreated (left) and 3 hour staurosporine-treated (right) Jurkat cells. Samples were incubated in D4-GDI monoclonal (Product # MA1-41085) using a dilution of 0.5 µg. Green histogram represents isotype control; red represents anti-D4-GDI antibody. Image using the Alexa Fluor 647 format of this antibody.



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PubMed References For D4-GDI Monoclonal Antibody (97A1015)

1 Immunohistochemistry References

Species / Dilution	Summary
	MA1-41085 was used in immunohistochemistry to study the relationship between D4-GDI expression and breast cancer progression
Human / Not Cited	Cancer biomarkers : section A of Disease markers (2012; 10: 163) "Association of D4-GDI expression with breast cancer progression." Author(s):Rivera Rosado LA,Rodriguez-Canales J,Zhang B PubMed Article URL: http://dx.doi.org/10.3233/CBM-2012-0240

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